

AMENDMENTS TO THE CLAIMS

Please cancel claims 6-18, without prejudice, amend claim 5, and add new claims 19-24 as set forth below. This listing of claims will replace all prior versions and listings of claims in the Application:

Claim 1 (cancelled)

Claim 2 (previously presented): A fuel cartridge that houses liquid fuel, comprising:

a gas-liquid separation film that separates the liquid fuel and fuel gas, which is the vaporized liquid fuel, from each other;

a gas housing chamber that houses the fuel gas separated by the gas-liquid separation film; and

a shutter that adjusts a degree of exposure of the gas-liquid separation film.

Claim 3 (cancelled)

Claim 4 (previously presented): The fuel cartridge according to claim 2, further comprising a discharge port that discharges the fuel gas separated by the gas-liquid separation film to the outside of the fuel cartridge.

Claim 5 (currently amended): The fuel cartridge according to claim 4, further comprising a discharged amount adjusting mechanism controller that adjusts for controlling an amount of the fuel gas discharged from the discharge port.

Claims 6-18 (cancelled)

Claim 19 (new): A fuel cartridge that houses liquid fuel, comprising:

a liquid fuel housing chamber having a fixed volume;

a gas housing chamber;

a gas-liquid separation film that separates from each other liquid fuel in the liquid fuel housing chamber and fuel gas in the gas housing chamber, which fuel gas comprises vaporized liquid fuel and allows passage of fuel gas from the liquid fuel housing chamber to the gas housing chamber;

a shutter that adjusts a degree of exposure of the gas-liquid separation film.

Claim 20 (new): The fuel cartridge according to claim 19, further comprising a discharge port that discharges the fuel gas separated by the gas-liquid separation film to the outside of the fuel cartridge gas housing chamber.

Claim 21 (new): The fuel cartridge according to claim 4, further comprising a discharged amount controller that adjusts an amount of the fuel gas discharged from the

discharge port based upon a pressure in the gas housing chamber .

Claim 22 (new): A fuel cartridge that houses liquid fuel, comprising:

a fuel cartridge mounting adapted to detachably mount the fuel cartridge to a fuel cell for introduction of liquid fuel into a fuel receptacle in a fuel cell;

a liquid fuel housing chamber having a fixed volume;

a gas housing chamber;

a gas-liquid separation film that separates from each other liquid fuel in the liquid fuel housing chamber and fuel gas in the gas housing chamber, which fuel gas comprises vaporized liquid fuel and allows passage of fuel gas from the liquid fuel housing chamber to the gas housing chamber;

a shutter that adjusts a degree of exposure of the gas-liquid separation film.

Claim 23 (new): The fuel cartridge according to claim 23, further comprising :

a discharge port that discharges the fuel gas from the fuel gas housing chamber into the fuel cell fuel receptacle.

Claim 24 (new): The fuel cartridge according to claim 4, further comprising discharged amount controller for controlling an amount of the fuel gas discharged from the discharge port based upon a temperature in the liquid housing chamber .